FIG. 1

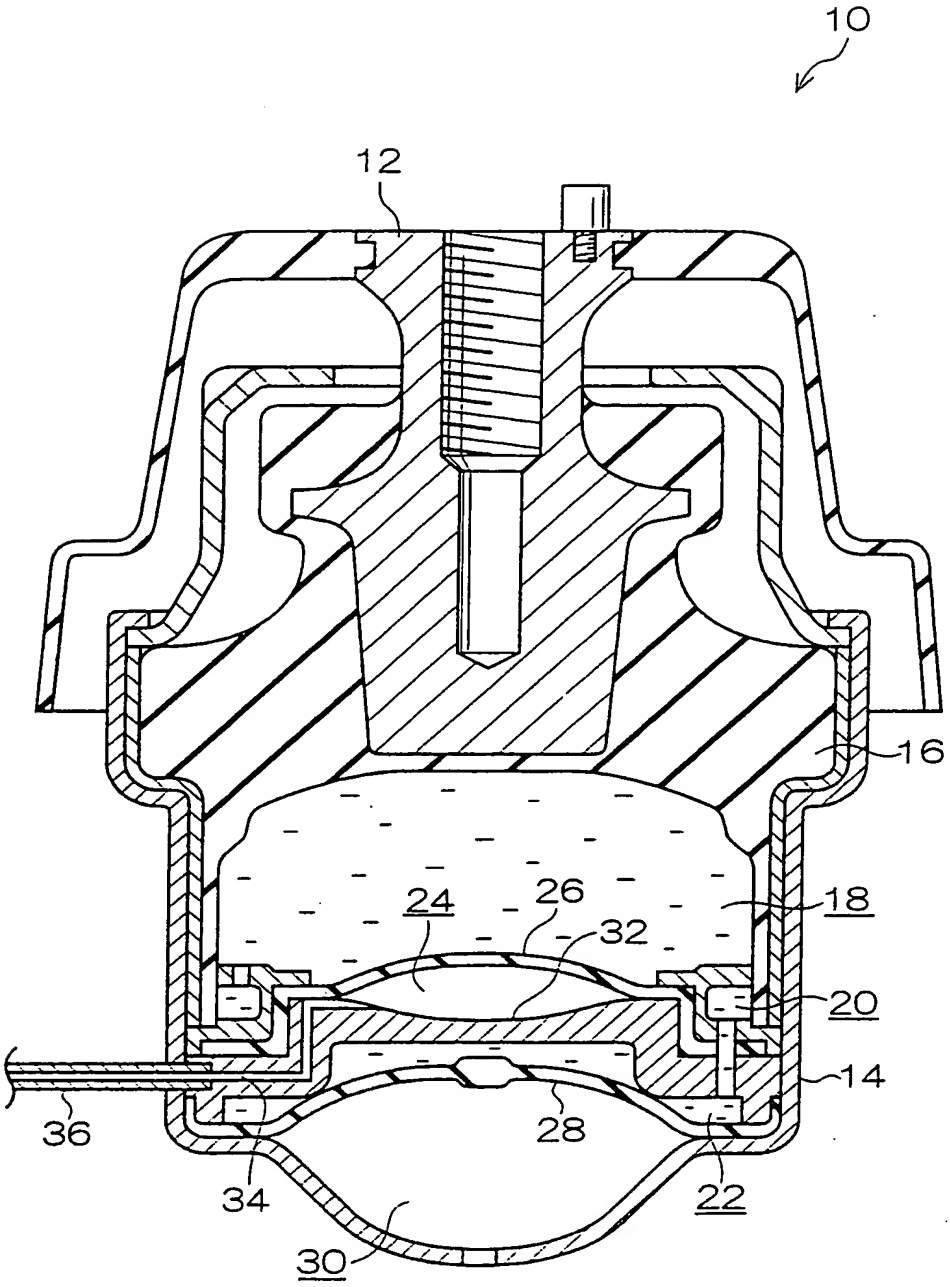


FIG. 2

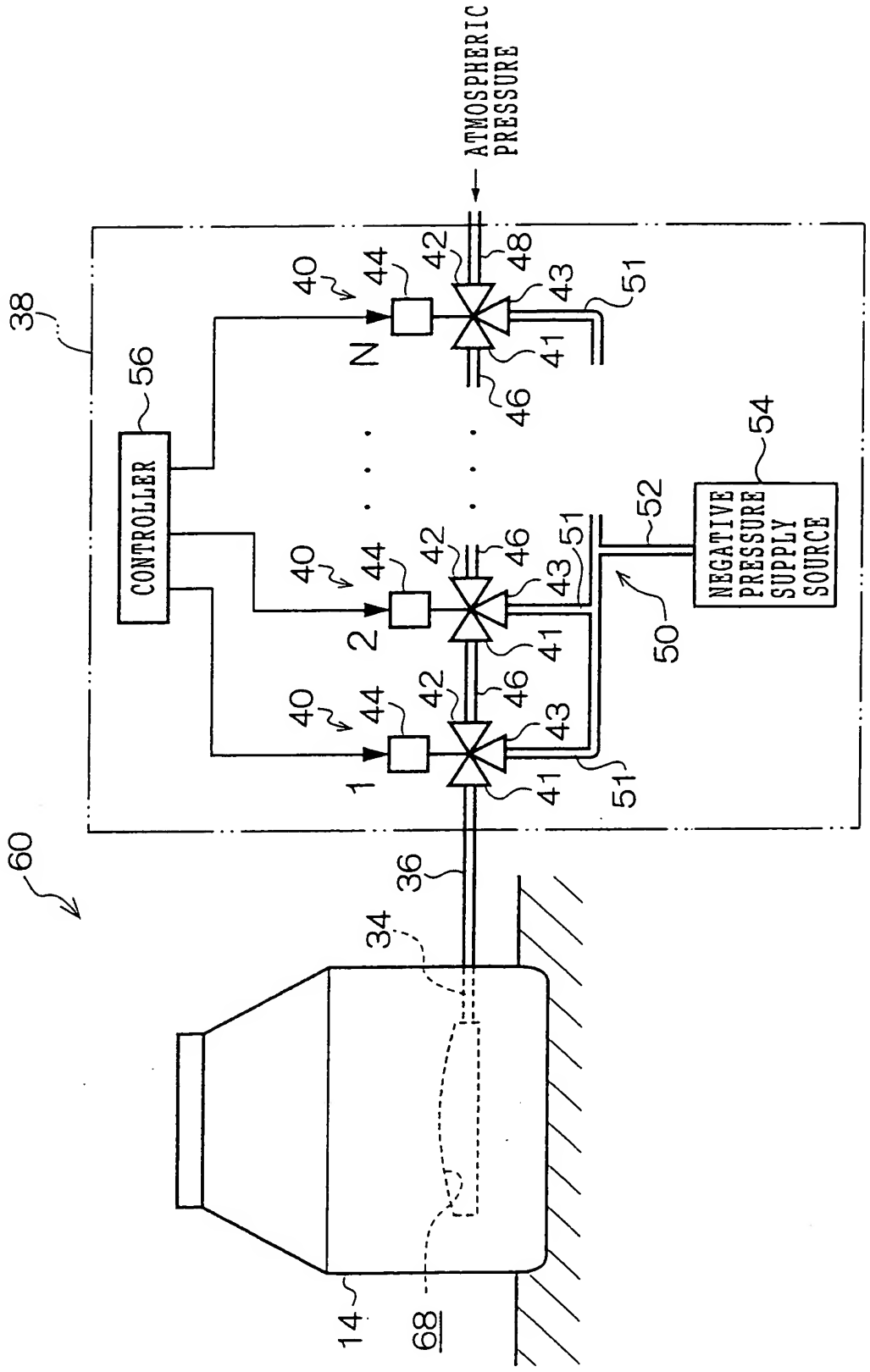

ATMOSPHERIC PRESSURE
38
56
CONTROLLER
40
44
42
48
43
51
41
46
N
2
1
54
NEGATIVE PRESSURE SUPPLY SOURCE
52
50
60
36
34
14
68

FIG. 3A

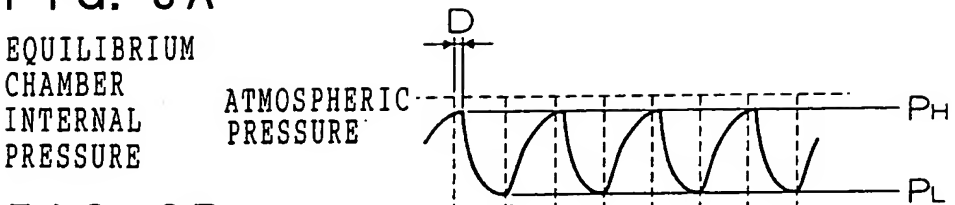


FIG. 3B

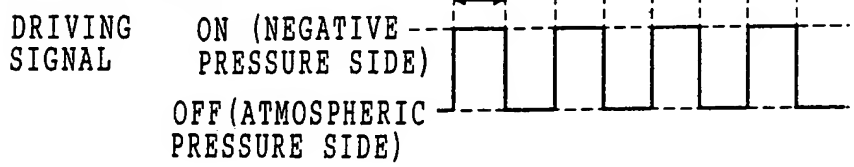


FIG. 4A

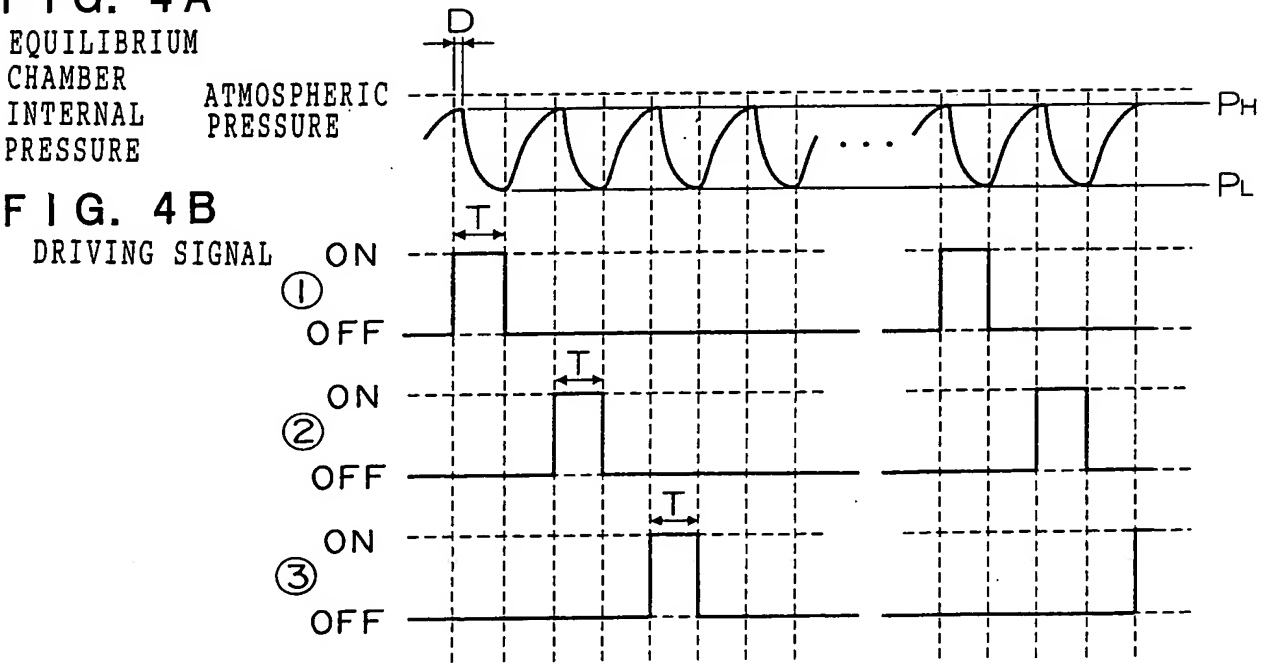


FIG. 4B

FIG. 5A

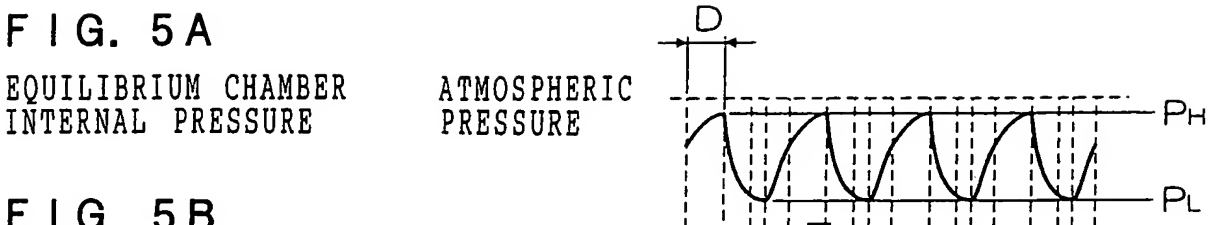


FIG. 5B

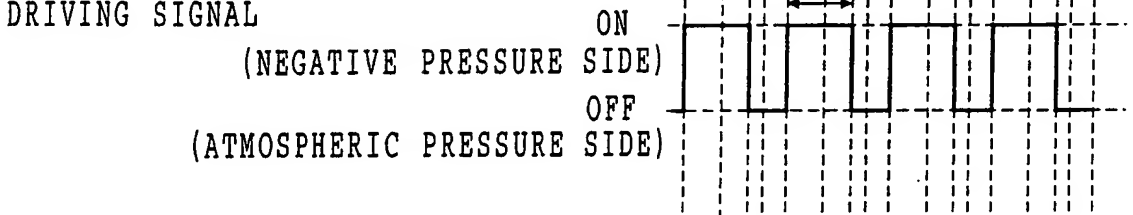


FIG. 5C

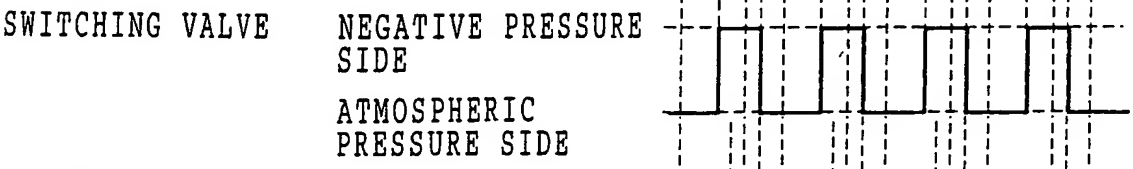
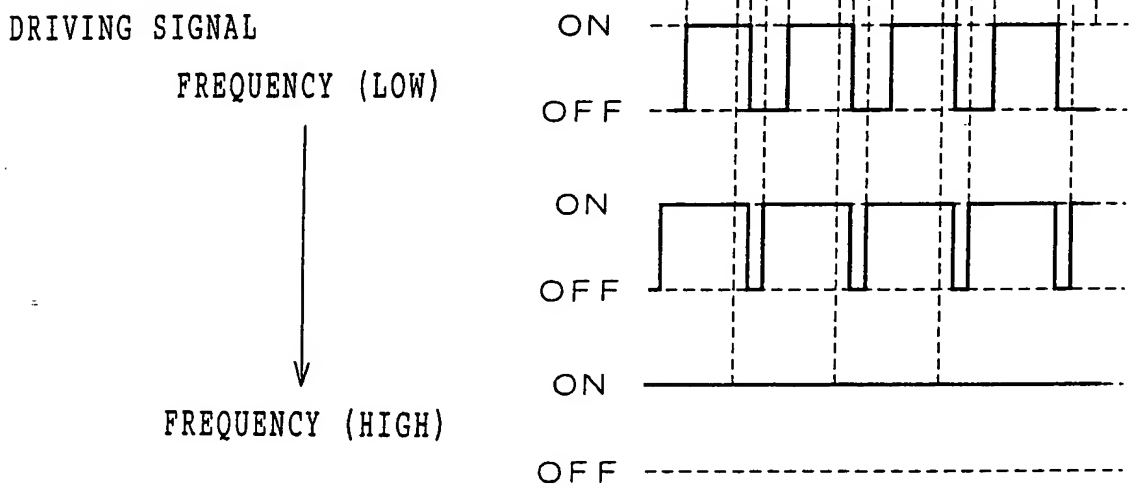


FIG. 5D



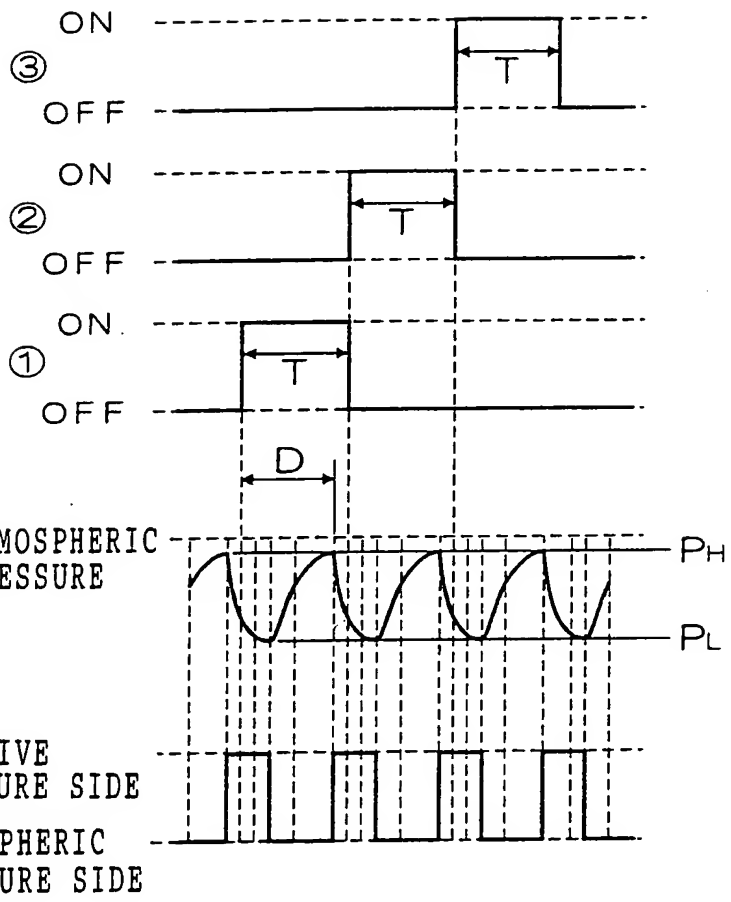


FIG. 6A
DRIVING SIGNAL

FIG. 6B
EQUILIBRIUM CHAMBER INTERNAL PRESSURE

FIG. 6C
SWITCHING VALVE

FIG. 7

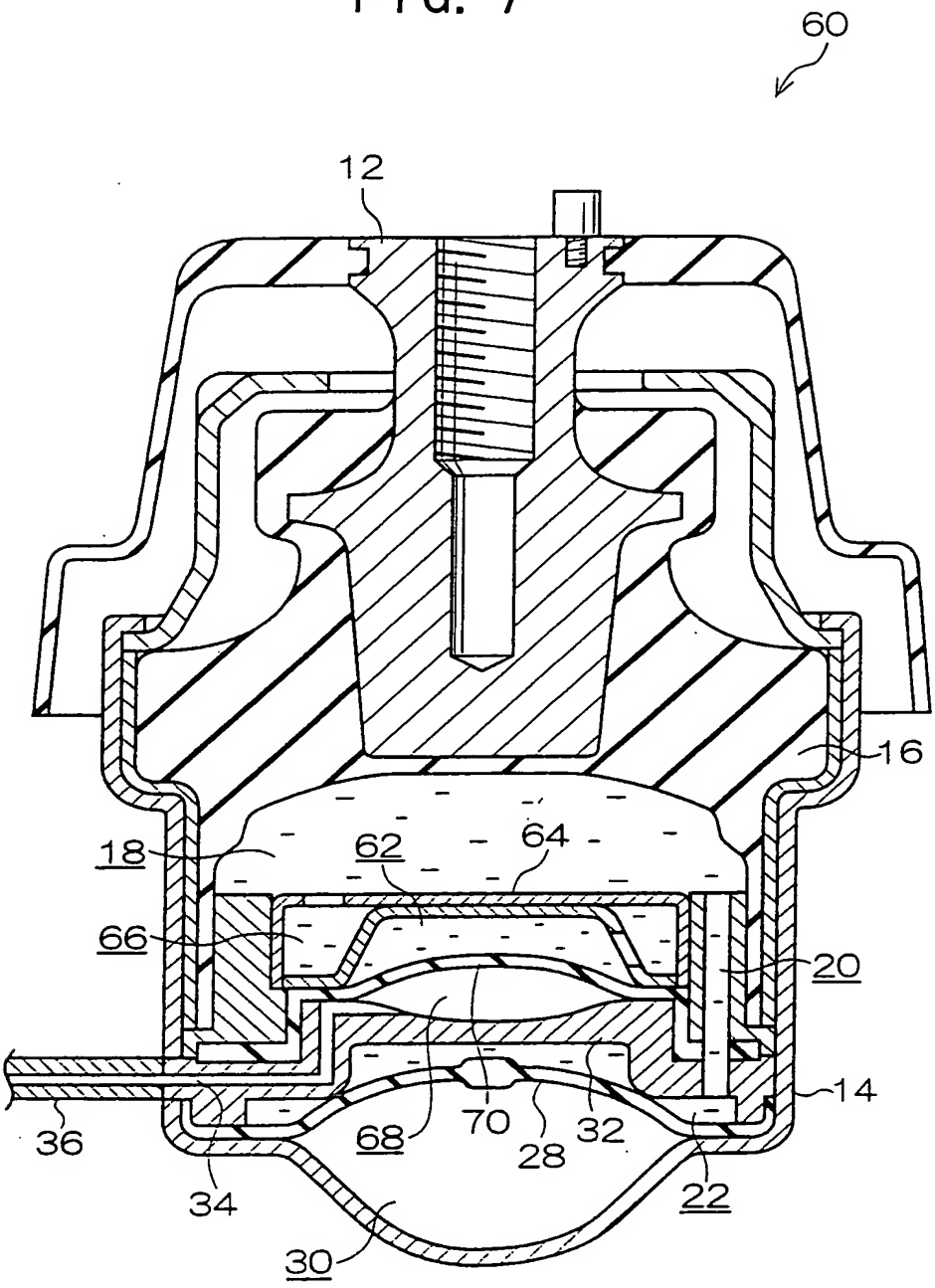
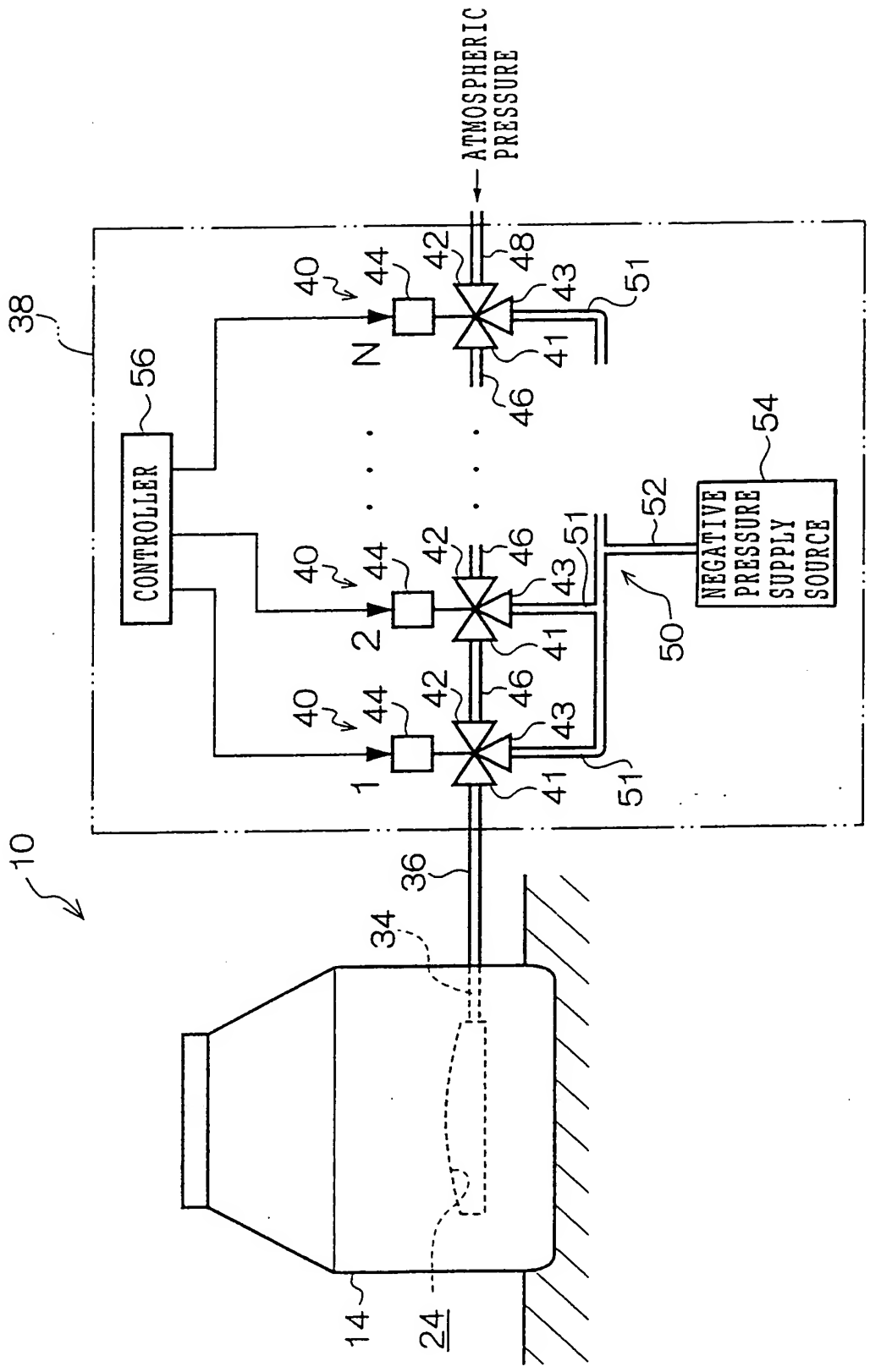


FIG. 8


ATMOSPHERIC PRESSURE
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CONTROLLER
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NEGATIVE PRESSURE SUPPLY SOURCE
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24

FIG. 9

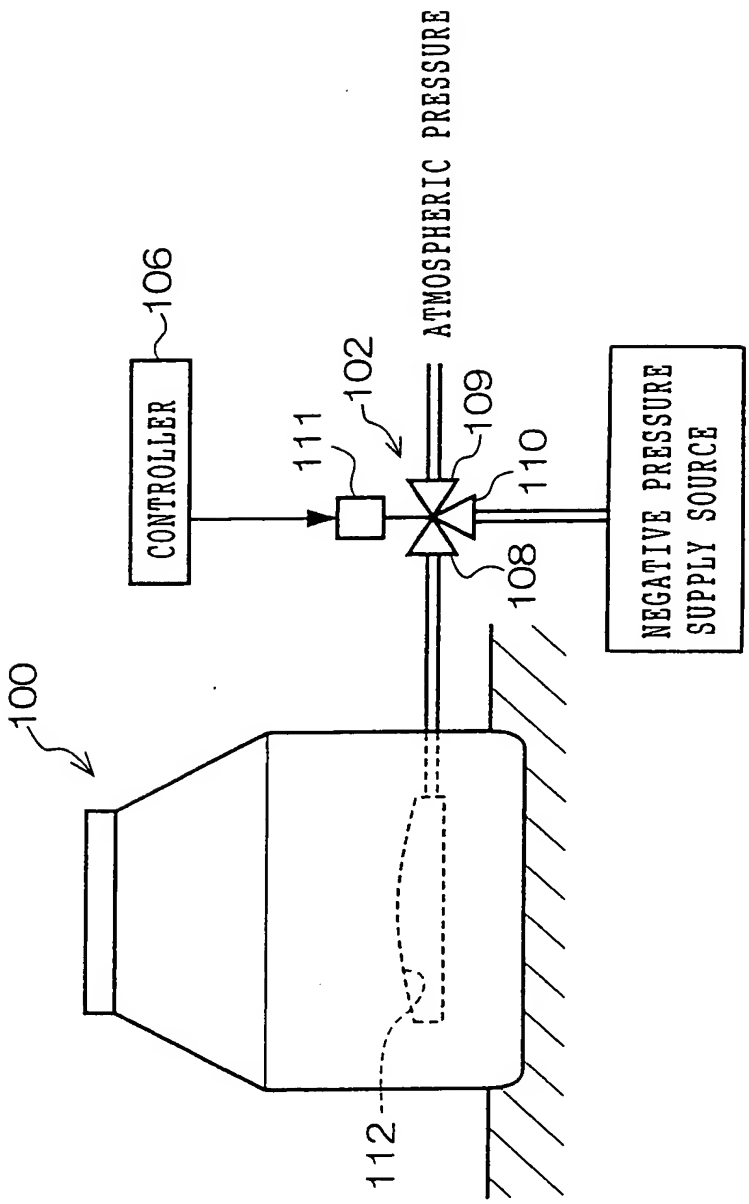
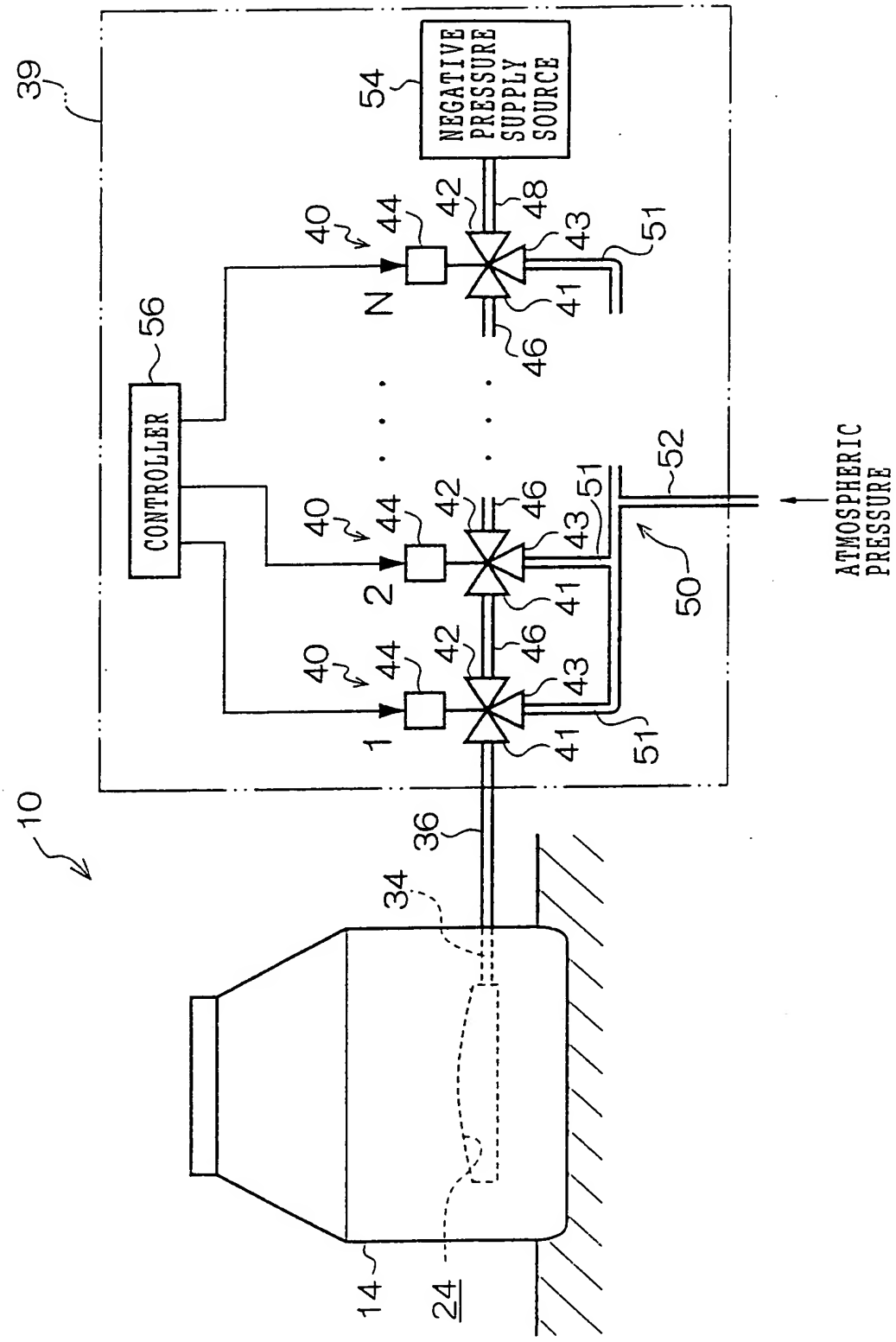

100
106
CONTROLLER
111
102
ATMOSPHERIC PRESSURE
109
110
108
NEGATIVE PRESSURE
SUPPLY SOURCE
112

FIG. 10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NEGATIVE PRESSURE SUPPLY SOURCE
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CONTROLLER
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ATMOSPHERIC PRESSURE
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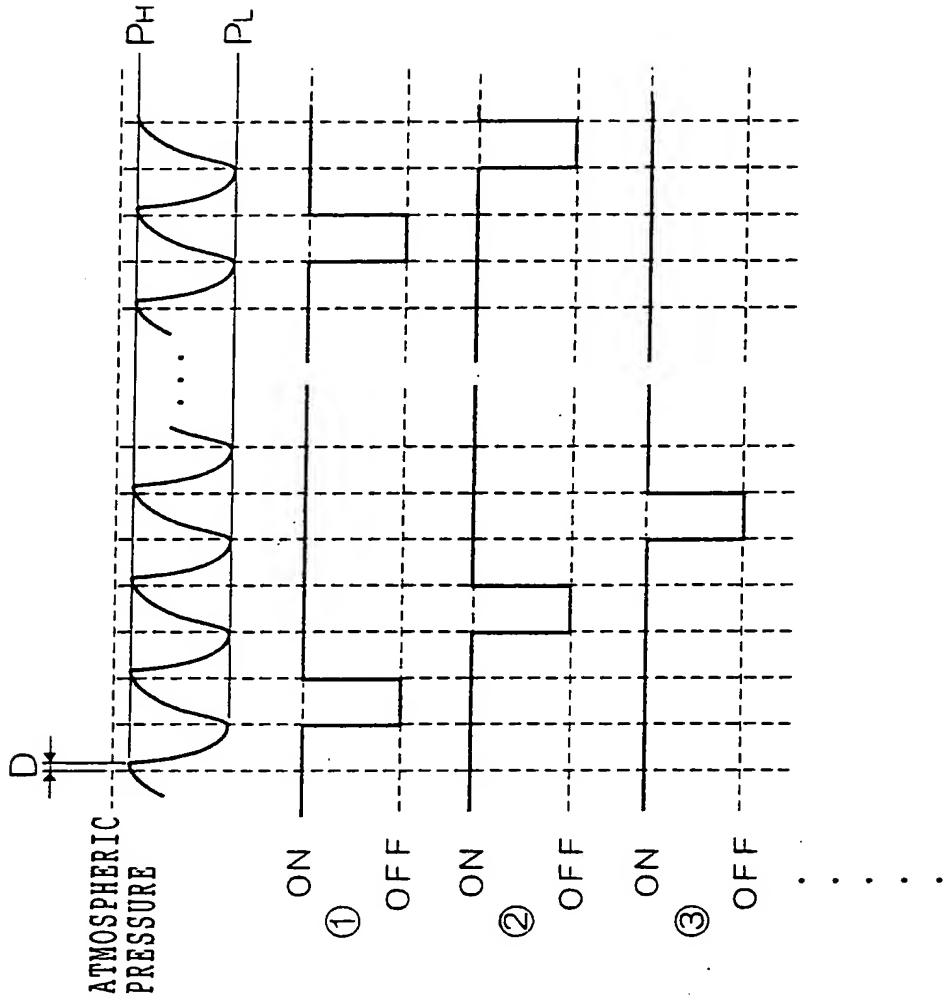

FIG. 11A

FIG. 11B